

# AB-NN228-1

## Cav beta 2 Antibody

Pan-specific monoclonal antibody (S8B-1) for monitoring the expression of rat Cav beta 2



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Voltage-dependent L-type calcium channel subunit beta-2 (Cav beta 2)
<b>Alias:</b>	Cacnlb2, cacnb2, Voltage-dependent L-type calcium channel subunit beta-2, CAB2
<b>UniProt ID:</b>	Q8VGC3 - Rat
<b>Human Predicted Mass (KDa):</b>	73.581 (660 AA; Q08289-1); 71.075 (636 AA; Q08289-8); 70.832 (632 AA; Q08289-4); 69.449 (622 AA; Q08289-7); 68.838 (612 AA; Q08289-5); 68.326 (608 AA; Q08289-9); 68.164 (606 AA; Q08289-3); 68.142 (605 AA; Q08289-2); 65.658 (582 AA; Q08289-10); 64.010 (567 AA; Q08289-6)
<b>Observed SDS-PAGE Mass (KDa):</b>	78

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic peptide amino acids 189-205 of rat CavBeta2
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	70 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   ICC/IF   IP
<b>Antibody Dilution Recommended:</b>	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-332 was sufficient for detection of Cavβ2 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody
<b>Target Detection Immunoblotting:</b>	Detects a ~78 kDa protein.
<b>Antibody Specificity:</b>	Very High
<b>Antibody Cross Reactivities:</b>	No cross reactivity against Cavβ1, Cavβ3, Cavβ4.

This product is for in vitro research use only and is not intended for use in humans or animals.

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